

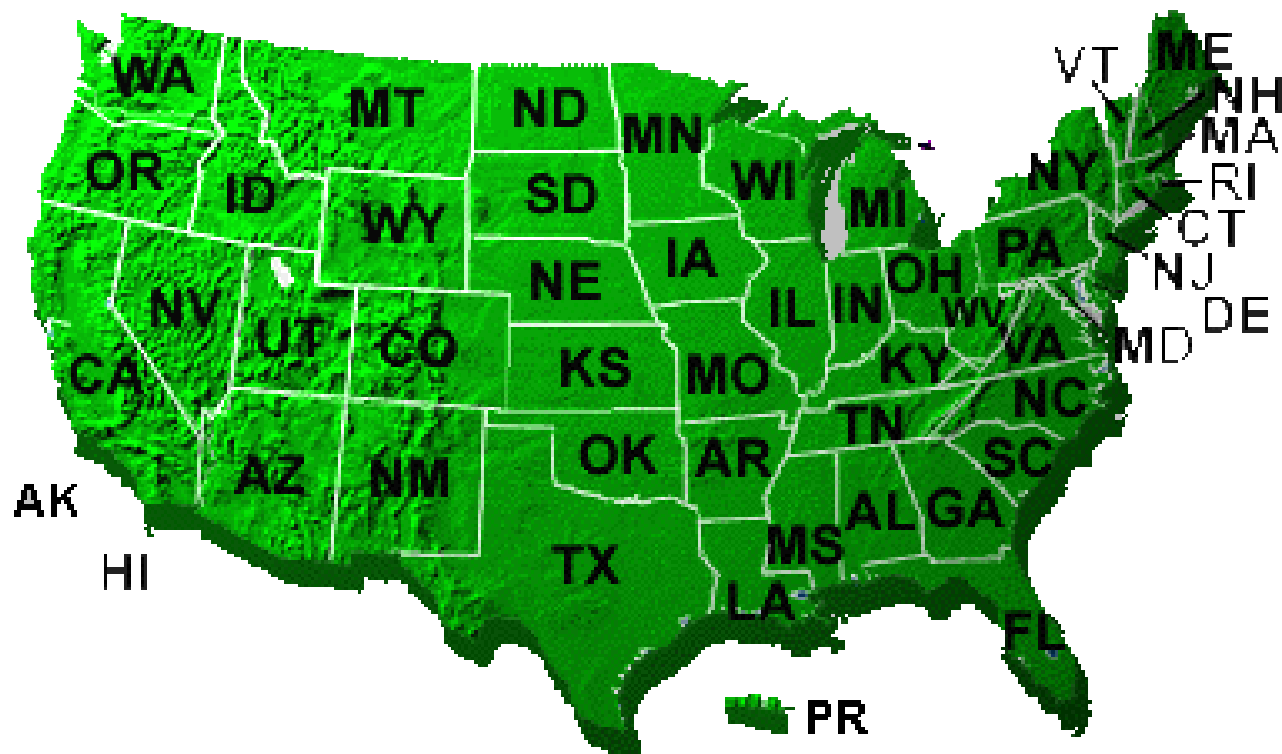


# Regulation of Japanese Beetles

- ★ Federal Quarantine 48 was promulgated in 1920 to regulate all agricultural products.
- ★ The regulation was made less restrictive and the survey for adults was turned over to the states in 1977.
- ★ The federal regulation at present only cover aircraft carriers to prevent hitch hiking of JB to the Western States



## Member States of the National Plant Board



<http://www.nationalplantboard.org/>



# **U.S. Domestic Japanese Beetle**

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# **Harmonization Plan**

*Adopted by the*

*National Plant Board*

*August 19, 1998*

*Last revision: June 17, 2004*



# Goals

USDA, National Plant Board, and Regulated Industries – support a goal of Harmonization of Japanese Beetle (JB) quarantine and certification requirements to assure that:

- ★ The pest risks are acceptably managed and to
- ★ Facilitate the orderly marketing of nursery stock and other regulated commodities in a manner consistent with the National Plant Board Plant quarantine, nursery inspection, and Certification guidelines..



# Specific objectives toward this goal are:

- ★ To establish a framework that encourages states to consistently and appropriately characterize JB pest risk and infestation status based on up to date scientific and field information;
- ★ To pursue more uniform adoption and implementation of pest risk and mitigation measures to reduce pest risk to a level acceptable to receiving states.



# Strategies for States

## Category 1 States – Uninfested/Quarantine Pest

- ★ JB is known not to occur in the state based on official surveys. (2 traps/sq. mile)
- ★ There is a risk of entry via of artificial means
- ★ State has conducted a pest Risk assessment and found the impact to be moderate to relative high.
- ★ Pest impact can only be mitigated to an acceptable level by applying quarantine certification protocols and
- ★ State has officially adopted and maintains a quarantine to prevent the entry of JB.



# Category 1 States

★ **Arizona**

**Utah**

★ **California**

**Washington State**

★ **Hawaii**

★ **Idaho**

★ **Montana**

★ **Nevada**

★ **Oregon**





## Category 2 – Uninfested or Partially infested/Regulated Non-Quarantine Pest

- ★ JB is known to occur in the state based on official surveys **or**
- ★ JB is established in limited areas of the state (1 trap/square mile) **and**
- ★ JB is likely to spread into or through state by artificial means, natural spread from infested areas over time is not preventable, and JB could survive in the State, **and**
- ★ State has conducted a pest risk assessment and expects moderate to low pest impact, **and**
- ★ Impact can be mitigated to an acceptable level by applying the regulated non-quarantine pest certification protocols.



# Category 2 States

★ **Arkansas**

**Texas**

**South Dakota**

★ **Iowa**

**Alabama**

★ **Kansas**

**Alaska**

★ **Minnesota**

**Colorado**

★ **Missouri**

**Louisiana**

★ **Nebraska**

**Mississippi**

★ **Oklahoma**

**New Mexico**

★ **Tennessee**

**North Dakota**



## **Category 3 – Partially or generally infested/No Regulatory Significance**

- ★ Generally infested and partially infested where infestations are sufficiently widespread that natural spread cannot be effectively slowed, and regulation of host commodities is not likely to be effective.
- ★ Commodity movement is consistent with nursery certification programs designed to minimize the artificial movement of plant pests only.



# Category 3 States

- ★ **Connecticut**
  - ★ **Delaware**
  - ★ **District of Columbia'**
  - ★ **Georgia**
  - ★ **Illinois**
  - ★ **Indiana**
  - ★ **Kentucky**
  - ★ **Maine**
  - ★ **Maryland**
- Mass.**
  - Michigan**
  - New Hampshire**
  - New Jersey**
  - New York**
  - North Carolina**
  - Ohio**
  - Pennsylvania**
  - Rhode Island**





# Category 3 States (Cont.)

- ★ Vermont
- ★ Virginia
- ★ West Virginia
- ★ Wisconsin



## Category 4 – Historically Not Known TO BE Infested/No Regulatory Significance

- ★ States where JB natural spread is not likely to occur or where JB is not likely to survive or become a pest, **and**
- ★ States plan not to take no official control or other regulatory action if/when JB is detected, and
- ★ Entry of JB host commodities is consistent with nursery certification programs designed to minimize the artificial movement of plant pests only.



# Category 4 States

- ★ Florida
- ★ Wyoming



# Shipments to Category 1 States

- ★ Phytosanitary Certificate or Certificate of Quarantine Compliance with specific AD
- ★ Production in an approved JB Greenhouse/screenhouse
- ★ Production during a pest free period
- ★ Application of Approved Regulatory Treatments
  - Dip treatments – B&B and Container Plants 12” diameter or less
    - ★ Chlorpyrifos (Dursban 4E, Dursban TNP)
    - ★ rate 64 oz per 100 gallons





# Shipments to Category 1 States (cont.)

- ★ Drench Treatments – Container Plants only
  - **Targets eggs & 1<sup>st</sup> instars**
  - **Imadacloprid (marathon 60WP)**
  - **Bifenthrin (Talstar Nursery granular or Talstar T&O Granular)**



# Shipments to Category 1 States

- ★ Media (Granule) Incorporation- Container Plants only
  - Imadacloprid (Marathon 1 G)
  - Bifenthrin (Talstar Nursery Granular or Talstar T&O Granular)
  - Tefluthrin (Fireban 1.5G)
  - **Methyl Bromide Fumigation**
- **Detection Survey for Origin Certification**
  - Nursery site and a min. 1 mile buffer must be trapped annually
  - Number of traps depends on size of nursery.

